

S/197/61/000/006/001/001
B*17/B*10

AUTHOR: Malmayster, A.

TITLE: Fundamentals of the theory of local deformations

PERIODICAL: Akademiya nauk Latviyskoy SSR. Izvestiya, no. 8, 1961, 53-61

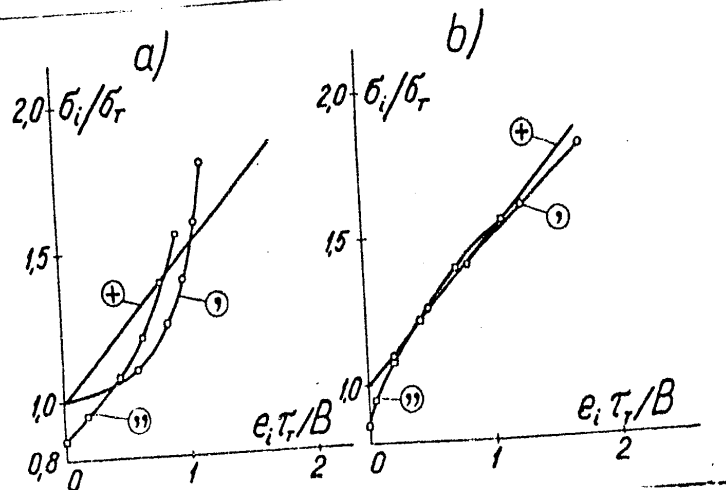
TEXT: The present work lays down general phenomenological fundamentals of the theory of local deformations. Regarding the deformation of a body in the neighborhood about a point where the state of stress is given by the stress tensor (σ_{ij}) ; $i, j = 1, 2, 3$ (1), the relation between the present stress tensor (1) and the component of the deformation tensor

$\epsilon_{ij} = 1/S \iint_S \epsilon_{ij}(z) ds$ (9) (where $S = 4\pi \cdot 1^2$ is the integration range, the

surface of the unit sphere around the point under consideration) was found by using auxiliary coordinates with only one degree of freedom. No inaccuracies, approximations or assumptions were used to derive the function (9). Solely the concept of local deformations and the principle of averaging of local deformations in the conventional sense of mathematical Card 1/6

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Generalization of the ...



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Generalization of the ...

deformations are not a function of the hydrostatic pressure, and which obey the law of plain load and show linear hardening. The simple form of the function of local plastic deformations makes it possible to simplify the formulas used for calculation. There are 1 figure, 1 table, and 13 references: 11 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: D. C. Drucker. Variational principles in the mathematical theory of plasticity, Calculus of variations and its applications. Proc. of Symposia in Applied Mathematics, vol. VIII, 1958.

ASSOCIATION: Institut stroitel'stva i arkhitektury AN Latv. SSR
(Institute of Construction and Architecture AS Latviyskaya SSR)

SUBMITTED: January 23, 1961

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Generalization of the ...

elementary surface on the boundary surface; (S) is the integration boundary, an area on the boundary surface, which determines the direction of the surface normals according to which $\tau \gg \tau$; $\gamma(\tau)$ denotes the function of local plastic deformations. The analytical formula of this function may be assumed to have the form of a polynomial:

$$\gamma(\tau) = \sum_{n=0}^n a_n (\tau/\tau_r - 1)^n; \quad n = 0, 1, 2, \dots \quad (6).$$
 Using generalized experimental data which correspond to the law of plain load and a linear approximation of the hardening $\sigma_i = \sigma_r + B e_i$ (7), the parameters a_n have been calculated in Ref. 10 (A. F. Zilautsis, A. K. Malmeyster, A. Tabuns. Utochneniye funktsii lokal'nykh plasticheskikh deformatsiy teorii plastichnosti kvaziizotropnogo tela. Stat'ya predstavlena zhurnalu PMM v yanvare 1961 goda). This calculation has been done with respect to two variants: by using a) the zero term only, and b) the first two terms for both types of load, i.e., expansion ('') and pure shear (''). Fig. 1 shows the results of this calculation. It can be seen that the fundamental principles of the theory of plasticity of a quasi-isotropic body are confirmed at least for such materials, for which plastic

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given main stresses; l_i the direction cosines of the surface normal) and its corresponding boundary surface. The advantage of such a method has to be investigated more closely. For materials, for which plastic deformation is not a function of the hydrostatic pressure, the concepts of shear stress surface and elasticity boundary surface of the shear strength should be used. For materials, whose plastic deformation is a function of the hydrostatic pressure, or for plastic deformations under high pressures, it is useful to use the concepts of shear stress and also normal stress surfaces. A consideration of the mutual change of two surfaces, i.e., the stress surface and the elasticity boundary surface during loading makes it possible to solve problems of a composed load in principle. The theory of plasticity of a quasi-isotropic body establishes a connection between the main deformation and the given main stresses for materials for which deformation is not dependent on the

hydrostatic pressure:
$$e_{ii} = 1/S_\tau \int_{(S)} \gamma(\tau) \frac{\sigma_{ii} - \sigma}{\tau} l_i^2 ds; \quad i = 1, 2, 3 \quad (5).$$

S_τ denotes the elasticity boundary surface of the shear strength; ds the

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16.7300 also 2808, 1418, 2807

AUTHOR: Malmeyster, A., Academician, Head of the Institute of
Construction and Architecture

TITLE: Generalization of the fundamentals of the theory of
plasticity

PERIODICAL: Izvestiya Akademii nauk Latvyskoy SSR, no. 2, 1961, 89-93

TEXT: The author suggests in this paper to expand the fundamentals of the theory of plasticity, i.e., the concept of load distance may be assumed as the concept of stress surface and its change due to the change of the state of stress. In place of the flow surface a more general concept, i.e., the function of local plastic deformations may be introduced. This function describes the relation between the stress on a surface and its local plastic deformations. The author asks himself if it is useful to apply concepts of various stress surfaces. A more general method would be an application of the concept of the surface of

complete stresses: $p = \sum_{i=1}^3 \sigma_{ii}^2 l_i^2$; $i = 1, 2, 3$ (2) (where σ_{ii} are

Card 1/5

MALMEYSTER, A. [Malmeisters, A.]

Successes of physical and technical sciences in Soviet Latvia.
In Russian. Vestis Latv ak no.7:39-48 '60. (EEAI 10:7)
(Latvia--Physics) (Latvia--Technology)

MAL'KIN, A.K.

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27 Jan - 3 Feb '60.

148. A. D. Likhachev (Moscow): On space buckling of columns in the elastic-plastic range.
149. V. A. Lashin (Moscow): Photo-creep at room temperature.
150. V. A. Lashin (Moscow): Plasticity of metals under combined loading.
151. A. I. Lomov (Moscow): Some problems of non-steady flow of an incompressible viscous fluid (M. A. Lavrent'ev).
152. A. I. Lomov, M. D. Puzikov (Moscow): Some problems of steady flow of an incompressible viscoelastic (Maxwellian) liquid.
153. A. I. Lomov (Leningrad): The generalization of the torsion theory of thin-walled bars.
154. A. I. Lomov, V. V. Pashynskiy (Leningrad): The development of microcracks.
155. A. I. Lomov (Leningrad): Plastic flow of circular plates under tension and bending of compression and bending.
156. S. G. Likhachev (Leningrad): Torsion of an anisotropic curved bar.
157. A. D. Likhachev (Leningrad): Free vibrations and stability of ordinary and prestressed elastic reinforced beams.
158. A. Likhachev (Leningrad): Displacement of rods due to eccentric loading of sloping layers.
159. V. V. Litvinov (Leningrad): On the application of matrix methods to the solution of problems of stability of linear equations of elasticity theory.
160. G. F. Loshakov (Leningrad): The selection of optimal parameters for structures of equal stability containing of plates and rings.
161. A. A. Likhachev (Moscow): Large deflections of shallow shells of non-linear elastic materials.
162. A. A. Likhachev (Moscow): Methods for the solution of the problem of equilibrium of plates under the action of a variable circular central load under an arbitrary load applied to a ring.
163. A. A. Likhachev (Moscow): On the experimental study of strains in plates and shells.
164. A. A. Likhachev (Moscow): Creep strains and rupture of high polymers.
165. A. A. Likhachev (Moscow): Vibrations of non circular cylindrical shells.
166. A. A. Likhachev (Moscow): Some problems of combined loading of elastic-plastic bodies.
167. A. A. Likhachev (Leningrad): The influence of structural discontinuity in concrete on its strength.
168. A. A. Likhachev (Leningrad): The influence of the state of stress on the rate of creep of concrete.
169. A. A. Likhachev (Leningrad): The influence of the state of stress on the rate of creep of concrete.
170. G. F. Loshakov (Leningrad): Solving the plane elastic problem for anisotropic bodies by reduction to the problem of linear coupling with displacements.
171. L. I. Mikhlin, M. A. Mikhlin (Moscow): The stability of a cylindrical shell in bending.
172. V. V. Litvinov (Moscow): Stress and strain in naturally twisted bars.
173. V. V. Litvinov (Moscow): The problems of conformal mapping of domains in the complex plane.
174. A. A. Likhachev (Moscow): The design of finite and infinite beams on elastic foundations including the case of anisotropic materials and uniform supports.
175. A. A. Likhachev (Moscow): The influence of a curved bar in an elastic medium and on elastic supports.
176. S. G. Likhachev (Moscow): An experimental study of basic creep laws for soils.
177. G. F. Loshakov (Moscow): On statically equivalent loadings.
178. A. A. Likhachev (Moscow): Contribution to the theory of plastic shells of uniform strength.
179. A. A. Likhachev (Moscow): On the bending of a simply supported rectangular plate.
200. A. A. Likhachev (Moscow): Evaluation of the rheological properties of elastic, visco-plastic materials in homogeneous stress-state under constant loading stress.

MAIMEYSTER, Aleksandr Kristapovich; VENGRANOVICH, A., red.; ZHUKOVSKAYA, A.,
tekh. red.

[Elasticity and inelasticity of concrete] Uprugost' i neuprugost' be-
tona. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1957. 202 p.
(MIRA 14:12)

(Concrete)

The Deformation of Concrete Under Combined Loading
deformations of the separate components.

SOV/124-58-11-13630

V. D. Klyushnikov

Card 2/2

SOV/124-58-11-13630
Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 233 (USSR)

AUTHORS: Malmeyster, A. K., Shkerbelis, K. K.

TITLE: The Deformation of Concrete Under Combined Loading (Deformatsii betona pri slozhnom nagruzhении)

PERIODICAL: V sb.: Issled. po betonu i zhelezobetonu. Nr 2. Riga, AN Latv SSR, 1957, pp 127-139

ABSTRACT: A presentation of test data on the simple and combined loading of thin-walled tubular concrete specimens. When compression is applied to tubes which have been and continue to be constantly torque loaded beyond the elastic limit, a characteristic break appears on the $\sigma_i - \epsilon_i$ curve, similar to the yield region. For this particular type of combined loading a comparison is made between the experimental $\sigma_i - \epsilon_i$ curves with the theoretical deductions set forth by A. K. Malmeyster (V sb.: Vopr. dinamiki i dinam. prochnosti. Nr 4. Riga, AN Latv SSR, 1956, pp 37-48; RZhMekh, 1957, Nr 9, abstract 10842) and supplemented relative to its application to concrete (a multicomponent system) by assumptions on the continuous and uniform distribution of the elastic limits and on the equal and finite local plastic

Card 1/2

Sov/124-57-9-10842

The Plasticity of a Quasi-isotropic Body

the slip theory only to the extent that one integration (i. e., that with respect to the direction angle on the surface of the sphere) is replaced by a finite expression. The need for that particular integration in the slip theory is an inescapable consequence of the fundamental assumptions on which the theory is based, and the author is in error when he asserts that the theory of slip does not really necessitate that integration. Included in the paper is a method for the approximate integration of the stress-strain relationships posited by the author for a case wherein the maximum tangential stresses slightly exceed the elastic-shear-stress limit. The unknown function contained in these relationships is arrived at by a simple-loading experiment. The example that he selects for this experiment is the case of a thin-walled tube subjected first to torsion and then to tension, and a finite expression is given for the magnitude of the separate plastic strains produced by each respectively. The author's comparison of his theoretical assertions with experimental data is limited to a mere statement to the effect that his theoretical position is in agreement with one of the conclusions that have been drawn from the experiments of V. A. Sveshnikova (RZhMekh, 1956, abstract 8511).

V. D. Klyushnikov

Card 3/3

SOV/124-57-9-10842

The Plasticity of a Quasi-isotropic Body

neighborhood of any given point of a continuous medium such slip property is imparted to each direction of the continuum. This generally held conception necessitates that the total plastic deformation at the given point be expressed in the form of a shear-stress integral over the surface of a unit-radius sphere and over all directions on that sphere. The present author, however, in constructing his theory, proceeds from premises that are fundamentally different from those outlined above; his approach cannot be regarded as based upon the attribution to a continuum of the plastic properties of the single crystals. In this sense his theory cannot be regarded as a physical theory at all, not even under that limited meaning attaching to the word "physical" in the theory of slip; instead, it is essentially phenomenological. The physical aspect of the new theory, a semblance of which is created by the frequent use of such terms as "slip" and "twinning", is devoid of any significance. The author's underlying assumption is that the plastic behavior of every elementary layer that is parallel to any plane passing through a given point of a continuum will be independent of the plastic behavior of all other such elementary layers. It is his view that the plastic shear strain occurring on each such plane is a function only of the shear stress being exerted on that plane. Thus, the total plastic deformation that occurs can be considered to be the sum of the shear strains that occur in each of the elementary layers, and this sum is represented as a stress integral over the surface of a unit-radius sphere. In its final formulation this theory differs from

Card 2/3

SOV/124-57-9-10842

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 143 (USSR)

AUTHOR: Malmeyster, A. K.

TITLE: The Plasticity of a Quasi-isotropic Body (Plastichnost' kvaziizotropnogo tela)

PERIODICAL: V sb.: Vopr. dinamiki i dinam. prochnosti. Nr 4, Riga, AN LatvSSR, 1956, pp 37-48

ABSTRACT: In this paper the author presents in its final formulation a theory of plasticity which superficially bears a close resemblance to the slip theory evolved by Batdorf and Budiansky (Batdorf, S. B., Budiansky, B. Nat. Advis. Comm. Aeronaut., Techn. Note, Nr 1871, 1949) but which, in essence, is really quite different from it. As is well known, the Batdorf-Budiansky theory is based upon an extension of the principal plastic properties of a single crystal to a multicrystalline continuous medium. It is considered that the basic plastic behavior of a single crystal consists in: 1) the fact that an irreversible shear strain in each plane of the material depends only on the history of the corresponding component of the shear stress, and 2) the principle that each slip plane of the material is independent of all others. In the

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DIFFICULTY FOR A. K.

USSR/Chemical Technology. Chemical Products and their Application. J-12
Glass. Ceramics. Construction Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27786

Author : A.K. Malmeyster.
Inst : Academy of Sciences of Latvian SSR.
Title : Concrete Creeping Due to Vibrations.

Orig Pub: vSb: Vopr. dinamiki i dinam. prochnosti. Vyp. 4. Riga,
AN LatvSSR, 1956, 21-26.

Abstract: The study of the dependence of the creeping deformation of concrete on the vibrating state of specimens shows that at comparatively small vibrating loads added to a constant load, many times greater creeping deformations develop. The conclusion is arrived at that the processes of creeping and of creeping due to vibrations proceed in young concrete more intensively than in old concrete. Girders of reinforced concrete loaded with a constant and a vibrating load in an early stage sag especially much.

Card : 1/1

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MALMEYSTER, A. K. In Latvian

MALMEYSTER, A. K. -- "Use of the Principle of the Work Potential for the Determination of the Basic Tone of Vibrations of Bar Trusses." Latvian State U, 1947. In Latvian (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy. SSR, No. 9, Sept., 1955

KOSTSOV, Aleksandr Aleksandrovich; MAL'BERG, K Ye., kand. tekhn.
nauk, retsenzent; KORITSKIY, K.I., doktor tekhn. nauk,
prof., retsenzent; CHUGHEYEVA, V.N., red.

[Ring spinners in cotton manufacture] Kol'tse-krutil'nye
mashiny khlopchatno-bumazhnogo proizvodstva. Moskva, Legkaia
industriia, 1964. 230 p. (MIRA 17:10)

[illegible]

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900043-6

MAL'MBERG, Kirill Yevgen'yevich; PEYSAKHOV, V.K., retsenzent;
~~SOKOLOVA, V.Ye.~~, red.

[Effect of the main parameters of packages on the performance of spindles in spinning and twisting] Vliianie glavneishikh parametrov pakovok na rabotu vereten v priadenii i kruchenii. Moskva, Legkaia industriia, 1965.
134 p. (MIRA 18:3)

GORYAINOV, S.D.; MAL'MBERG, K.Ye.; SAFONOV, V.I.

Modernization of drawing mechanisms on spinning machines.
Tekst. prom. 18 no.9:60-61 S '58. (MIRA 11:10)

1. Nachal'nik tekhnicheskogo otdela Proyektmashtetal' (for Goryainov).
2. Glavnyy konstruktor otdela Proyektmashtetal' (for Mal'mberg).
3. Nachal'nik otdela Proyektmashtetal' (for Safonov).

(Spinning machinery)

107-58-3-15/41

Automobile Radios

in the shortwave ranges. The receiver is a superheterodyne with the tubes: "6K4P", "6Kh2P", "6Zh3P", "6P1P". The feed block contains a kenotron "6Ts4P" and the asynchronous vibrator "VA-12.8". Tuning of the receiver is achieved by variable inductance coils. Figure 2 shows the circuit diagram of this receiver. There are three drawings, two diagrams and one table.

1. Radio--Production
2. Automobiles---Applications

Card 2/2

AUTHOR: Mallyar, A., (Murom) 107-58-3-15/41
 TITLE: Automobile Radios (Avtomobil'nyye priyemniki)
 PERIODICAL: Radio, 1958, Nr 3, pp 21 - 23 (USSR)

ABSTRACT: One of the plants of the Vladimir Sovnarkhoz produces the automobile radio "A-8", which consists of a receiver block, feed block, loudspeaker and connecting cables with a total weight of 7.3 kg. The radio is produced in two versions; one is for the "Pobeda" and one for the "Moskvich". It requires 3 amps current at 12.8 volt. The wave ranges are 150 to 415 and 520 to 1,500 kilocycles. The output is 1.5 watts with not more than 10% nonlinear distortion at frequencies between 200 and 400 cycles and not more than 7% at frequencies between 400 and 3,500 cycles. The sensitivity at an output of 0.15 watts and a signal-to-noise ratio of 20 db, is not below 250 microvolt in the long wave and 150 microvolts

Card 1/2

KARPOVA, V.I.; MALLITSKIY, V.A.

Tissue structure of the skin of southern Kazakh Merino sheep of the
Aral Sea region type. Trudy Inst. eksp. biol. AN Kazakh. SSR. 1:108-
117 '64. (MIRA 18:4)

SALYUKOV, P.A., kand. biol. nauk; VERNIGOR, V.A., kand. sel'khoz. nauk; KORMANOVSKAYA, M.A., kand. sel'khoz. nauk; GOLODNOV, A.V.; SKOROBOGATOV, Yu.A., mladshiy nauchnyy sotr.; MALLITSKIY, V.A., kand. sel'khoz. nauk; CHASHCHIN, B.V., kand. sel'khoz. nauk; PONOMAREV, P.P., kand. tekhn. nauk; BARMINTSEV, Yu.N., doktor sel'khoz. nauk; NECHAYEV, I.N., mlad. nauchnyy sotr.; POZDNYAKOV, P.M., kand. biol. nauk; KOVIN'KO, D.A., kand. biol. nauk; BALANINA, O.V., kand. sel'khoz. nauk; MOISEYEV, K.V., kand. sel'khoz. nauk; ROMANOV, P.F., kand. veter. nauk; PAL'GOV, A.A., kand. veter. nauk; ANAN'YEV, P.K., kand. veter. nauk; VASIL'YEV, B.M., kand. sel'khoz. nauk; ABDULLIN, V.A., kand. ekon. nauk; GALIAKBEROV, N., laureat Gos. premii, kand. sel'khoz. nauk, red.; GUSEVA, N., red.; NAGIBIN, P., tekhn. red.

[Reference book for zootechnicians] Spravochnik zootekhnika.
Pod red. N. Galiakberova. Alma-Ata, Kazsel'khozgiz, 1963.
492 p. (MIRA 16:5)
(Kazakhstan--Stock and stockbreeding)

MALLITSKAYA, Nina Gur'yevna

ALEKSANDROV, Il'ya Stepanovich; MALLITSKAYA, Nina Gur'yevna; TARNYAGINA, V.V..
redaktor; RAKOVITSKIY, I.G., tekhnicheskii redaktor

[Guide to practical experiments in physiology; a textbook for
pedagogical institutes] *Rukovodstvo k prakticheskim zaniatiyam po
fiziologii; posobie dlia pedagogicheskikh institutov*. Izd. 4-oe,
ispr. i dop. Leningrad, Gos.uchebno-pedagog.izd-vo M-va osv.
RSFSR, Leningr. otd-nie, 1957. 226 p. (MLPA 10:10)
(PHYSIOLOGY--LABORATORY MANUALS)

MALLITSKAYA, M.K.

Use of pictures for developing speech comprehension in children
at the end of the first and during the second year of life. Vop.
psikhol. 6 no.3:122-126 My-Je '60. (MIRA 14:5)

1. Institut pediatrii AMN SSSR, Moskva.
(Children--Language) (Audio-visual education)

MAILIS, O.

Will the Soviet collective farmer defeat American farmers?

P. 4. (ROLNICKE HLASY) (Praha, Czechoslovakia) Vol. 11, No. 12, Jan. 1958

SO: Monthly Index of East European Accession(ETAI) IC, Vol. 7, No. 5, May 1958

L 1914-66

ACCESSION NR: AP5020064

4

treatment. During treatment this level was 385 for the antibiotic as against 992 for the symptomatic and the post-treatment figures were respectively 221 and 1612. Urinary elimination of B₁₂ was found directly proportional to serum content. It is concluded that vitamin B₁₂ metabolism in these diseases is directly dependent on the particular therapy. High B₁₂ levels in the beginning are related to liver injury and increasing injury of the liver epithelium increases release of stored B₁₂ into the blood stream. The considerable increase seen with symptomatic treatment is apparently due to recovery of the liver. This metabolism is considered a significant sign in the pathogenesis of these infections. "Vitamin B₁₂ content in healthy subjects was determined in collaboration with Ye. A. Gent."

Orig. art. has: None

ASSOCIATION: Uzbekskiy nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i infeksionnykh zabolevaniy (Uzbek Scientific Research Institute of Epidemiology, Microbiology and Infective Diseases)

SUBMITTED: 16Feb65
NR REF SOV: 000

44.55
ENCL: 00
OTHER: 000

SUB CODE: LS

Card 2/2

L 1914-66 EWT(1)/EWA(1)/EWA(b)-2 JK
ACCESSION NR: AP5020064

AUTHOR: Mallina, E. R. 44.55

UR/0242/65/000/006/0054/0055 35
37
B
6.11.55

TITLE: The effect of antibiotic therapy on vitamin B₁₂ content in typhoid and para-
typhoid disease
SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 6, 1965, 54-55

TOPIC TAGS: infective disease, bacterial disease, vitamin, biologic metabolism,
therapeutics, antibiotic, intestinal disease

ABSTRACT: The vitamin B₁₂ metabolism and a possible negative effect of anti-
biotics on this metabolism were studied in 2 groups of 20 patients suffering from
typhoid or paratyphoid. One group received symptomatic therapy and the other
received the antibiotic 1-mycetin (from Actinomyces violaceus). Out of the total,
21 patients had typhoid fever and the others had paratyphoid A or B, all in moder-
ate severity. Vitamin B₁₂ was determined in serum, urine and feces before,
during and after treatment, as well as in healthy controls. The patients were
found to have a disturbed B₁₂ metabolism. With the antibiotic, the B₁₂ serum
level decreased while it increased with symptomatic therapy during and after the
Card 1/2

EXCERPTA MEDICA Sec 8 Vol 12/1 Neurology Jan 59

955. ACUTE EXTRAPYRAMIDAL ACCIDENTS IN THE COURSE OF CHLORPROMAZINE TREATMENT - Les accidents extrapyramidaux aigus dans le traitement a la chlorpromazine - Matic O. and Constantinescu G. N. Chn. Psychiat. Inst. pour la Spéc. des Méd., Bucarest - PSYCHIAT. ET NEUROL. (Basel) 1953, 135, 3 (176-183)

Description of a special kind of acute reaction to chlorpromazine. The 4 cases related show typical clinical features and place it nosologically among the extrapyramidal syndromes. The present reaction is entitled 'athetoid' by analogy with the 'parkinsonoid' syndrome common to chlorpromazine, from which, however, it must be differentiated. The athetoid syndrome would seem to be due to the selectivity of the drug for the regio perisylviana, although up till now there is no real explanation for the occurrence of the syndrome. In spite of its dramatic symptomatology at the beginning of treatment, it is not considered as an indication to interrupt treatment, and the use of phenergan injections and Mg sulphate are advised.

MAILER, O.

Pathogenesis of acute delirium and treatment. Zhur.nevr.i psikh. 58
no.3:269-273 '58. (MIRA 13:3)

1. Psikhiatricheskaya klinika Bukharestskogo instituta usovershenstvovaniya vrachey i farmatsevtov.
(DELIRIUM, etiol. & pathogen.
nitrogen metab. disord. & auto-intoxication (Rus))
(NITROGEN, metab.
disord. causing acute delirium (Rus))

EXCERPTA MEDICA Sec 8 Vol 12/1 Neurology Jan 59

545. TOXICOMANIA OWING TO COUGH-SOOTHING REMEDIES - Rauschgift-sucht infolge Hustenlinderungsmitel - Mallier O. and Constantinescu G. N. Psychiat. Klin. des Inst. für Ärztl. Fortbildung, Bukarest - PSYCHIAT. NEUROL. MED. PSYCHOL. (Lpz.) 1958, 10/2 (53-57)

While ascertaining a decrease of morphinism in the Rumanian People's Republic, the authors have noticed the appearance of toxicomanias with substances that are usually considered as inoffensive. Among these substances there are cough-soothing remedies which are more readily accessible than morphine or its derivatives. The authors have studied 5 patients addicted to dionine; codeine; heroin; tusocalmin (a compound containing codeine, natrium benzoicum, t. thymu, t. aconiti, t. belladonnae, bromoform, aqua benzaldehydi, spiritus); codenal (codeinum, phenylaethylbarbituricum). The clinical picture is similar to that of morphone intoxication. One of the patients exhibited a paranoic-hallucinatory psychosis of a toxic type (tusocalmin) with depressive phenomena, anxiety and attempted suicide. The phenomena following deprivation or weaning consisted of cervical pain, paraesthesia, coughing, asthmiform dyspnoea, sleeplessness. The efficacious management of these toxicomanias consisted in sudden deprivation, insulin shocks and psychotherapy. (VIII, 15*)

EXCERPTA MEDICA Sec 17 Vol 5/11 Public Health Nov 59

3274. ACUTE GASTRIC ACCIDENTS DURING TETRAETHYLTHIURAM DISULPHIDE TREATMENT (TTD, ANTABUSE, ESPERAL) - Accidente gastrice acute în cursul tratamentului cu tetraetiluramdisulfid (TTD, antabuz, esperal) - Maller O. and Elias S. Clin. de Psihiat., I.P.S.M.F., București - NEUROLOGIA (București) 1958, 3/4 (311-315)

Accidents which occurred during treatment with antabuse are discussed and the clinical cases of 3 patients are presented who exhibited haematemesis during alcohol tests in the course of the detoxication treatment. In view of these accidents, the Adler reaction was performed in the gastric juice of 13 patients following the alcohol test; blood was detected in 2 of the patients who prior to the tests had had a negative reaction, and in 5 patients in whom the reaction had not been performed prior to the tests, while in 3 patients the reaction was positive before and after treatment. The low reactivity of the patient due to his chronic alcohol intoxication, coupled with the toxic action of tetraethylthiuram disulphide, are considered to be responsible for these accidents.

MALLER, O., Dr.; ZUBRITZKY, P., dr.; CONSTANTINESCU, G., dr.

Therapeutic results of chlorpromazine in psychiatric emergencies.
Med. int., Bucur. 4 no.8:1225-1229 Dec 56.

1. Lucrare efectuata in sectia de psihiatrie a Spitalului nr. 9.
(MENTAL DISORDERS, therapy
chlorpromazine, in psychiatric emergencies, results)
(CHLORPROMAZINE, ther. use
ment. disord., in acute phases, results)

SKURKOVICH, S.V.; RUTBERG, R.A.; MAKHONOVA, L.A.; KAVERONEVA, M.N.;
MALLER, A.R.

Plasmoleucothrombocytapheresis in children with acute leukemia
during the remission period. Probl. gemat. i perel. krovi
no.2:23-26 '65. (MIRA 18:11)

1. Tsentral'nyy ordena Lenina institut gematologii i
perelivaniya krovi (dir. - dotsent A.Ye.Kiselev) i Gorod-
skaya klinicheskaya detskaya bol'nitsa No.1 (glavnyy vrach
N.S.Bonova), Moskva.

MOKEYEVA, R.A.; RUTBERG, R.A.; CHERNYAK, V.Ya.; MALLER, A.R.; PAPUSH, N.D.;
SOBOLEVA, Yu.G.; RAKHMAYEVA, V.A.; KHUTSISHVILI, G.E.

Use of plasmapheresis in macroglobulinemic reticulosis; Waldenström's
disease. Probl. gemat. i perel. krovi 9 no.12:33-40 D '64
(MIRA 18:1)

1. Gematologicheskaya klinika (zav. - prof. M.S. Dul'tsin) i labo-
ratoriya fraktsionirovaniya belkov (zav. - prof. G. Ya. Rozenberg)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (direktor - dotsent A. Ye. Kiselev), Moskva.

KISELEV, A. Ye, dotsent; RUTBERG, R.A.; WALLEL, A.R.; RODINA, E.I.; PIPUSH,
N.D.; URINSON, R.M.; LAVROVA, O.P.; RAKHMAYEVA, T.A.

Plasmapheresis as a way of increasing the resources of donor
plasma. Probl. gemat. i perel krovi no.12:3-8 D '64
(MIRA 18:1)

1. Tsentral'nyy ordena Lenina institut gematologii i perelivaniy
krovi (direktor - dotsent A. Ye. Kiselev) Ministerstva zdravookhra-
neniya SSSR, Moskva.

MALIER, A.R.; BOLOTNIKOVA, F.I.

Experience in the storage of blood in plastic bags under field conditions.
Probl. gemat. i perel. Krovi 8 no.9:30-32 S '63. (MIRA 17:9)

1. Iz laboratorii konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

RUTBERG, R.A.; MALLER, A.R.; ABDULLAYEV, G.M.

Preservation of antihemophilic globulin in preserved blood.
Probl. gemat. i perel. Krovi 2 no.9:19-23 S '63. (MIRA 17:9)

1. Iz laboratorii fraktsionirovaniya belkov (zav. - prof. G.Ya. Rozenberg) i khirurgicheskoy kliniki (zav. - prof. D.M. Grozdov) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

L 01903-67 T RO/JK
ACC NR: AP6035168

(A)

SOURCE CODE: PO/0081/65/019/002/0247/0248

CZUPRYS, Felicja; KOLOWROTKIEWICZ, Wladyslaw; MALLEK, Danuta; Department of Infectious Diseases of the City Hospital "J. Strus", (Oddzial Chorob Zakaznych Szpitala Miejskiego im. J. Strusia) and Hospital Laboratory of Infectious Diseases (Przyszpitalna Poradna Chorob Jelitowych), Poznan.

22
B

"Clinical Course of Food Poisoning Caused by Salmonella."

Warsaw, Przegląd Epidemiologiczny, Vol 19, No 2, 1965; pp 247-248.

Abstract: During 1958 to 1963, *S. typhimurium* was found in 10 outbreaks with 116 patients with acute gastroenteritis, *S. heidelberg* in 6, *S. brandenburg* in 4, *S. haifa* in 3, *S. derby* in one, *S. stanleyville* in one, *S. bovis mofificans* in 9, *S. choleraesuis* in 3, *S. enteritidis* in 9, *S. newington* in 8 and *S. anatum* in 2. Of the cases, 82 were sporadic, 32 familial, and only 3 mass outbreaks. Clinical aspects and complications, including 5 fatal ones (e.g. one patient with *S. newington* and symptomatology of ulcerative colitis), are described. Treatment was, with chloramphenicol in 65, sulfaguanidine in 24, symptomatic treatment only in 26. Presented at the 3rd Scientific Assembly of Polish Epidemiologists and Infectologists, 5-6

Oct 64. [JPRS]

TOPIC TAGS: food sanitation, digestive system disease, disease therapeutics

SUB CODE: 06 / SUBM DATE: none

Card 1/1 hs

0921 1558

WICK, Jerzy; MAJERSKI, Janina

Viral hepatitis as a cause of post-hepatic cirrhosis and
dystrophy. Ginek. 35 no. 5:655-660 - 1964

1. Z. I. Kliniki chorób wewnętrznych i chorób dziecięcych (Szpital Miejski
dyżurnej w Poznaniu (Szpital Miejski) prof. dr. med. J. W. Majerski (1964)
i z Oddziału Chorób Wewnętrznych Szpitala Miejskiego imienia
w Poznaniu (Szpital Miejski) dr. med. J. W. Majerski.

PISARSKI, Tadeusz; PUACH, Jerzy; WALK, Gerda

Placental pathomorphology in cases of viral hepatitis in pregnant women. Ginek. Pol. 39 no.10513-14 1984

1. Z I Kliniki Położnictwa i Chorób Kobiąt i Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. W. Michałowski) i z Oddziału Chorób Zakrzepotnych i Trombozy Naczyniowej im. J. Strusina w Poznaniu (Ordynator: dr. med. K. Nęmar).

KOLOWROCKIENICZ, Władysław; MALINIK, Danuta

Observations on the coincidence of alimentary tract parasites
and bacteria from the Shigella and Salmonella group. Wiad.
Parazyt. 10 no.4:415-417 '61

1. Oddział Chorób Zakaźnych Szpitala Mińskiego i Porodnia
Zakaźnych Schorzeń Jelitowych, Poznań.

PUACZ, Jerzy; MALLEK, Danuta

Viral hepatitis as a complication of pregnancy and labor.
Pol. tyg. lek. 18 no.37:1382-1386 9 S '63.

1. Z I Kliniki Ginekologiczno-Polozniczej AM w Poznaniu;
kierownik: prof. dr med. W. Michalkiewicz i z Oddzialu Chorob
Zakaznych Szpitala Miejskiego im. J. Strusia w Poznaniu;
ordynator: dr med. K. Neyman.
(HEPATITIS, INFECTIOUS) (PREGNANCY COMPL., INFECTIOUS)
(LABOR COMPLICATIONS) (ABORTION) (INFANT, NEWBORN, DISEASES)
(INFANT, PREMATURE, DISEASES) (INFANT MORTALITY)

POLAND

POJAN, Jerzy and MALLEK, Danuta; First Clinic of Obstetrics and Gynecology (I Klinika Ginekologiczno-Pokoznicza), AM [Akademia Medyczna, Medical Academy] in Poznan (Director: Prof. Dr. med. W. MICHALKIEWICZ) and Division of Infectious Diseases (Oddzial Chorob Zakaznych), Municipal Hospital (Szpital Miejski) im. J. Strusia in Poznan (Director: Dr. med. K. NEYMAN)

"Viral Hepatitis as a Complication of Pregnancy and Labor."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 37, 9 Sep 63, pp 1382-1386

Abstract: [Authors' English summary modified] Study covered 76 cases. While no effect of pregnancy on the viral hepatitis (VH) was noted, VH did affect pregnancy, though never fatally. Perinatal mortality for the group was higher than average for clinic. Effect most pronounced in third trimester (46 premature deliveries), with some of the mature infants revealing signs of dystrophy. Two spontaneous abortions was noted in first trimester, and anencephalus in one. There was no increased blood loss, but post-delivery shock was noted at height of VH intensivity. 13 refs: 3 Soviet and 5 Polish. 1/1

LEJA, Zbigniew; MALLEK, Danuta; ZAHRADNIK, Andrzej

Observations on the behavior of protein fractions in the blood serum during the course of acute infectious diseases. Przegl. epidem. 14 no.4:423-429 '60.

1. Z Oddzialu Chorob Zakaznych Szpitala Miejskiego im. J.Strusia w Poznaniu Ordynator: dr med. A. Zahradnik.
(COMMUNICABLE DISEASES b. Sod) (BLOOD PROTEINS)

MALLEK, Danuta

Clinical picture of dysentery in relation to types of Shigella.
Przegl.epidem. 14 no.3:341-343 '60.

1. Z Oddziału Chorob Zakaźnych Szpitala Miejskiego im. J.Strusia
oraz Poradni Schorzeń Jelitowych w Poznaniu Ordynator: dr med.
A.Zahradnik
(DYSENTERY BACILLARY)

BRZozowska, Wanda; MALLEK, Danuta

Evaluation of rectormanoscopic pictures in bacillary dysentery and their diagnostic value according to our observations. Przegl. epidem. 14 no.3:337-340 '60.

1. Z Oddzialu Chorob Zakaznych Szpitala Miejskiego im. J.Strusia oraz Poradni Schorzen Jelitowych w Poznaniu Ordynator: dr med. A.Zahradnik

(DYSENTERY BACILLARY diag)

MALLEK, Danuta; KOLOWROTKIEWICZ, Wladyslaw

Results of bacteriological examinations in dysentery in relation to the method of sampling of infectious material. Przegl.epidem. 14 no.3:277-280 '60.

1. Z Oddzialu Chorob Zakaznych Szpitala Miejskiego im. J.Strusia oraz Poradni Schorzen Jelitowych w Poznaniu Ordynator: dr med. A.Zahradnik

(DYSENTERY BACILLARY diag)

MALINK, Danuta.

Basophils in acute infectious diseases. Polski tygod.lek.
10 no.43:1400-1408 24 Oct 55.

1. Z III Kliniki Chorob Wewnętrznych w Poznaniu; kierownik:
prof. dr. med. Franciszek Labendzinski i z Oddziału Chorob Zakaźnych
Szpitala Miejskiego im. Strusia w Poznaniu; ordynator: dr. med.
Andrzej Zahradnik. III Kl. Wewn., Poznan, ul. Szkolna 14/16.
(BASOPHILS, in various diseases,
communicable dis.)
(COMMUNICABLE DISEASES, blood in,
basophils)

DARABOS, L.;MALIASZ, T.;BRANYICZKY, L.

Catamnestic studies in syphilis. *Betegyogy. vener. szemle* 7 no.3:90-94
May 1953. (CLML 25:1)

1. Doctors. 2. Komarom County Skin and Venereal Diseases Welfare Institute (Head Physician -- Dr. Laszlo Darabos).

S/241/62/007:004:002/003
1015/1215

AUTHOR

Mallabiu, G. A

TITLE

Biological interaction of infrared and x-rays

PERIODICAL

Meditsinskaya radiologiya, v. 7, no. 4, 1962, 64-66

TEXT: The interaction of infrared and x-rays was studied experimentally by applying infrared rays soon after x-irradiation, i.e. during the "latent" period. The evaluation of this interaction was based on the wound-healing process. The experiments were carried out on 32 albino rabbits weighing 2-2.5 kg. The methods are described in detail. The results showed that the application of infrared rays immediately after x-irradiation brought about an increase in the cutaneous damage caused by x-rays. The sooner the infrared rays were applied after x-irradiation, the greater was their damage-increasing effect.

ASSOCIATION: I Leningradskiy meditsinskiy institut imeni akademika I. P. Pavlova (1st Leningrad Medical Institute imeni academician I. P. Pavlov)

SUBMITTED: April 29, 1961

Card 1/1

HORACEK, J.; MALKUS, Z.

Health aspects of plastic materials used in the food industry in
the C.S.S.R. Cesk. hyg. 10 no.3:232-237 My '65.

1. Ustav hygieny, Praha.

MALKUS, Z.; SZOKOLAY, A.

Hygienic problems of dyes used in the food industry. Cesk. hyg.
10 no.3:163-169 My '65.

1. Ustav hygieny, Praha; Vyzkumny ustav hygieny, Bratislava.
2. Z.Malkus' address: Praha 10, Srobarova 48

MALKUS, Zdenek, inz.; HORACEK, Josef

Complexometric determination of calcium stearate. Prum potravin
14 no.8:442-443 Ag '63.

1. Ustav hygieny, Praha.

MALKUS, Z.

Investigations in the influence of food colouring matters on the stability of l-ascorbic acid. Cesk. hyg. 7 no.10:595-603 D '62.

1. Ustav hygieny, Praha.
(FOOD ADDITIVES) (ASCORBIC ACID) (AZO COMPOUNDS)
(COPPER)

WOLF, A.; MALKUS, Z.

Food hygiene. Cesk. hyg. 7 no.6:347-354 J1 '62.
(NUTRITION)

HORACEK, J.; MALKUS, Z.

Hygiene problems related to the use of plastics in the foodstuffs industry. I. Polyamides. J. hyg. epidem., Praha 5 no.3:357-365 '61.

1. Institute of Hygiene, Prague.

(FOOD-HANDLING INDUSTRY) (PLASTICS toxicol)

MALKUS, Z.; SZOKOLAY, A.

Temporary instructions on the use of food-coloring materials. p. 392.

CESKOSLOVENSKA HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 7, Aug. 1959.

Monthly list of East European Accesssions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

COUNTRY : Czechoslovakia
CATEGORY :

n-20

ABS. JOUR. : AZKhim., No. 16 1959, No.

58817

ABST. :
AUTH. :
TITLE :

ORIG. PUB. :

ABSTRACT : superior to the Rothenfuser method (S. Rothenfuser, Ztschr f Lebensmitteluntersuch. 58, 98 (1929)) in accuracy, in the good reproducibility of the results, and in the rapidity of the determination.
A. Yemel'yanov

CARD: 2/2

COUNTRY : Czechoslovakia
CATEGORY :

E-28

ABS. JOUR. : RZKham., No. 16 1959, No.

58817

AUTHOR Malkus, E. and Fara, M.
INST. ~~Not given~~

TITLE : An Indirect Chelatometric Method for the Determination of Sulfur Dioxide in Food Products

ORIG. PUB. : Prumysl Potravin, 9, No 11, 593-595 (1958)

ABSTRACT

The proposed method consists in the distillation of the SO_2 from the product under analysis into a titrated BaCl_2 solution containing H_2O_2 , followed by separation of the BaSO_4 by filtration and determination of the excess Ba ions by chelatometric titration in alkaline medium, using the fluorescent indicator 'Fluorekson' (calcein). The authors have shown by comparison tests on the determination of SO_2 in 11 samples of dried fruits, wines, and juices that the proposed method is

CARD:1/2

243

COUNTRY : CZECHOSLOVAKIA
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Food Products.
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 62515
 AUTHOR : Malkus, Z.
 INSTITUTE : -
 TITLE : Determination of Reducible Sugars Employing the Potra-Eshman Method
 ORIG. PUB. : Prumysl potraviny, 1958, 9, No 4, 222
 ABSTRACT : Description of the improvement made in the Potra-Eshman method by employment of a new indicator for the titration end-point for Cu^{2+} . Glycine-thymol blue [3, 3-di(N-carboxymethylaminomethyl-thymol-sulfonphthaleine)] is used as an indicator. It is a specific indicator for Cu in acid media after treatment with hexamethylenetetramine (pH of 5). The coloring of indicator changes from pure blue to yellow, at high Cu concentrations - to emerald green. --D.Yakesh.

Card:

1/1

H - 115

COUNTRY : CZECHOSLOVAKIA
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications. Food Industry.
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 82874
 AUTHOR : Malkus, Z.
 INSTITUTE : -
 TITLE : Polarographic Determination of Hexamethylenetetra-
 mine in Fish Products.
 ORIG. PUB. : Caskosl. byg., 1958, 3, No 6, 361-365

ABSTRACT : The proposed method is based on the splitting of
 hexamethylenetetramine in acid medium into ammonia
 and formaldehyde, steam distillation of the latter
 and performing polarographic determination in LiOH
 medium. Presented are comparative data of the
 hexamethylenetetramine determination in the sam-
 ples of caviar in accordance with this method. It
 was found that the polarographic method is suffi-
 ciently accurate for practical applications.

Card: 1/1

CZECHOSLOVAKIA / Chemical Technology. Fermentation
Industry.

H-27

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79303.

Author : Furst, F., ~~Malkus, Z.~~

Inst. : Not given.

Title : The Determination of Heavy Metals Content in
Beverages of Czechoslovakia.

Orig Pub: Ceskosl. hyg., 1958, 3, No 2-3, 96-98.

Abstract: Methods for the determination (colorimetric and polarographic) of heavy metals are described and the content of the latter in certain beverages is cited. The fruit juices contain (in milligrams/kilogram): Cu 0.2-2.4, Pb 0.2-0.75, Zn and Sn < 5, Fe < 55; soda water contains (in milligrams/liter): Cu 0-1.8, Pb 0.0-0.28, Zn and Sn < 1, Fe 0.02-0.12; lemonades

Card 1/2

ILLEGIBLE

MALKUS, Z.

POLAND/Chemical Technology, Chemical Products and Their
Application, Part 3. - Food Industry.

H-25

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34236.

Author : Z. Malkus, M. Fara.

Inst : Not given.

Title : Determination of Reducing Sugars in Bakery Products by
Complexometric Method according to Potterat-Eschmann.

Orig Pub: Przem. spozywczy, 1957, 11, No 5, 205-207.

Abstract: A comparative determination of reducing sugars accord-
ing to Potterat-Eschmann and to Schorl (with Fehling
solution) was carried out in 18 specimens of bakery
products after their preliminary clarification accord-
ing to Kapeleu which showed that the first method
is suitable for such determinations.

Card : 1/1

6

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Carbohydrates and Refinement.

H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44789.

124 mg/kg) and in those of Italian origin (22-34 mg/kg). Bulgarian pectin contained on the average 200 mg/kg of Cu. On the basis of these analytical results an evaluation is made of the pectin samples from a hygienic standpoint.

Card : 2/2

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Carbohydrates and Refinement.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44789.

Author : Malkus Zdenek, Schoberova I., Frst Frant.

Inst :
Title : Copper in Pectins and Its Determination.

Orig Pub: Prumysl potraviny, 1957, 8, No 11, 594-596.

Abstract: Description of a procedure for the determination of Cu in fruit pectin powders by means of a polarograph. As a results of investigations of 40 samples of pectin from Switzerland, Italy, Hungary and Czechoslovakia, it was ascertained that the maximum content of Cu is found in Czechoslovak products, in which it varied within wide limits (72-1370 mg/kg). Minimum Cu content was found in Swiss samples (11-

Card : 1/2

COUNTRY : Czechoslovakia
 CAS NO. :
 ANN. SOUR. : RESEARCH. No. 16 1959, No. 509-1
 ACTION :
 DET. :
 TIT. :

ORIG. PUB. :

ABSTRACT

suspension, and the endpoint of the titration
 cannot be accurately determined. An accurate
 reagent was used (2) which gives results of high
 precision and is easily applied.
 B. Zavarova

CA 101 2/2

MALKUS Z.

COUNTRY : Czechoslovakia
CATEGORY :

N-28

ABS. JOUR. : RZKha., No. 16 1959, No.

98981

TECH. :
TITLE : A Comparison of Various Methods for the Determination of the Moisture Content of Spices

ORIG. PUB. : Průmysl Potravin, 3, No 10, 531-540 (1957)

ABSTRACT : The authors compared three methods, namely, drying in a desiccator, drying in a vacuum oven, and distillation. Methods: (1) drying at 105°C with correction for the presence of volatile essential oils; (2) volumetric distillation; (3) titration with Karl Fischer reagent (a mixture of I_2 , pyridine, and 30% H_2SO_4). Method (1) gives the most accurate values (possibly too high) with the least amount of scatter but requires much time and labor. Titration gives the lowest values and the highest

CARD: 1/2

MALKUS, ZDENEK

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 3. - Food Industry.

H-28

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48456

Author : Zdenek Malkus

Inst : State Institute of Hygiene.

Title : Tin Determination in Food Products with Quercetin.

Orig Pub : Roczn. Panstw. zakl. hig., 1957, 8, No 1, 43-50

Abstract : The photometric method of tin determination in food products with the application of quercetin was proposed and checked experimentally. The stability in time of the color of the complex tin compound was established. The presence of phosphates in an amount below 0.1% (converted to P) does not interfere with the tin determination. The method is sensitive enough; a sample of 2 g is necessary for the tin determination. The method is recommended for serial analyses.

Card 1/1

15

MALKUS, Z.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 3. - Food Industry.

H-27

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 23143

Author : A. Szokolay, Z. Malkus

Inst : "

Title : Use of Food Pigments and Their Hygienic Evaluation.

Orig Pub : Ceskosl. hyg., 1957, 2, No 6, 355-365

Abstract : A review concerning the question of cancer causes and other undesirable properties of food pigments. A list of pigments permissible in 8 countries and recommended at 3 international conferences is attached. Bibliography with 54 titles.

Card 1/1

Czechoslovakia / Analytical Chemistry.
Analysis of Inorganic Substances.

E-2

Abs Jour: Ref. Zhur - Khimiya No. 2, 1958, 4327

are 15% lower as compared with the data of an argentimetric titration but the photometric method is more sensitive and only small samples are required. The influence of reducing agents (alcohols, aldehydes, H_2S) has to be eliminated with $KMnO_4$. The results of the HCN determination (in mg./1000 g. of sample) in various food products are furnished: lima bean (42.0), cocoa (6.6), beans (10.4), lentil (12.5), peas (5.4), poppy seed (8.3), flour (29.4) and stewed apricot (2.2).

Card 3/3

Czechoslovakia / Analytical Chemistry.
Analysis of Inorganic Substances.

E-2

Abs Jour: Ref. Zhur - Khimiya No. 2, 1958, 4327

8 ml. of 0.1N KOH. After the distillation is completed, (45 minutes), the contents of the wash bottles are made up to 20 ml. with a 0.1N solution of KOH. To 2 ml. of the resulting solution 0.2 ml. of 1M Na HPO and 0.2 ml. of a 1% solution of chloramine T is added. After shaking for 1 minute, 5 ml. of pyridine-pyrazolone reagent (PPR) (1 vol. of pyridine and 4 vol. of 1-phenyl-3-methyl-5-pyrazolone solution) is added, digested for 7 minutes on a water bath at 70° C., and cooled. The readings are taken at 630 mμ (light filter RS-4). To plot a calibration curve the solution containing 10 μl. of HCN is used. Beer's law is obeyed from 0-5% of HCN. The obtained results

Card 2/3

• *MALKUS, Z.*

Czechoslovakia / Analytical Chemistry.
Analysis of Inorganic Substances.

E-2

Abs Jour: Ref. Zhur - Khimiya No. 2, 1958, 4327

Author : Malkus, Z.

Title : Photometric Microdetermination of Hydrocyanic
Acid in Food Products.

Orig Pub: Ceskosl. hyg., 1957, 2, No. 4, 251-256

Abstract: The cyanides in food products are determined by the method of Bardodey et. al. (see previous ref.). To 5-10 g. of the sample to be analyzed 100 ml. of water and 2 g. of tartaric acid are added and the sample is steam distilled from a round bottom flask as air is passed through simultaneously. The displaced HCN is absorbed in two Polekhaev's wash bottles each containing

Card 1/3

4/11/54
Determination of magnesium oxide in coke powder.
Weigh 0.5 g of coke powder with 0.5 g of acid and
0.5 g of water. Add 10% solution of CH₃COOH in excess, neu-
tralize with NH₄OH-NH₄Cl buffer soln., and titrate with
0.01N ethylenediamine tetraacetic acid with Eriochrome T
as indicator.

MALKUS, Stanislav, MUDr.

Experiences with transplanation of heterogenous grafts in
ankylosing operations on the joints in tuberculosis. Sborn.
ved. prac. lek. fak. Karlov. Univ. (Hrad.Kral.) 6 no.3:
Supplement:367-371 '63.

1. Reditel Lecelny kostni tbc ve Volyni, OUNZ, Strakonice.

*

MALKUS, S., MUDr.

Diagnostic and therapeutic difficulties in bone tuberculosis in advanced age. Acta chir. orthop. traum. Cech. 32 no. 2:94-96 Ap'65.

1. Léčebná kostní tuberkulózy ve Volyni (vedoucí: MUDr. S. Malkus).

MALKUS, S.

Diagnostic errors in bone and joint tuberculosis. Acta chir.
orthop. traum. cech. 30 no.4:302-306 Ag '63.

1. Léčebná kostní tuberkulózy ve Volyni, vedoucí MUDr.
S. Malkus.

(TUBERCULOSIS, OSTEOARTICULAR)
(DIAGNOSIS, DIFFERENTIAL) (BONE NEOPLASMS)
(OSTEITIS)

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Pol. 18 no.1:95-101 '64.

A case of histiocytoma of the nasal vestibule. Ibid.:149-151

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MAŁKUS, L.

195. CONGENITAL SYPHILIS IN THE FORM OF LEONTIASIS OSSEA. Kila wrodzona poźna jako 'leontiasis ossea'. Małkus L. Klin. Otolaryngol. A.M., Łódź. OTOLARYNG. POL. 1957, 11/2 (209-212)

The author describes a case of late congenital syphilis with an unusual clinical picture. A specific process in the form of excessive syphilitic ossification resulted in extensive thickenings and deformations of cranial and facial bones resembling the clinical picture of leontiasis ossea. The author believes that under that syndrome various processes of osseous diseases may take place, among them syphilis. A combined treatment, i.e. by operation drainage of nasal cavities and the specific treatment, brought about an unexpectedly good result. The subjective complaints like difficulty in respiration, lacrimation, headache disappeared completely; thickening and deformation of all bones diminished.

MAIKUS, Leon

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(SARCOIDOSIS, pathol.
dis. of larynx, case report (Pol))
(LARYNX, dis.
pathol. in sarcoidosis (Pol))

MALKUS, A.

The standardization of overhead travelling cranes having flown 5 to 250 metric tons load-carrying capacity. p.130.
(Normalisace, Vol. 6, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) JC. Vol. 6, No. 9, Sept. 1957. Uncl.

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Research on the course of earth-magnetic variations on the territories of Poland. Acta geophys pol 10 no.1:63-68 '62.

1. Zaklad Geofizyki, Polska Akademia Nauk, Warszawa.

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PERIODICALS: ACTA GEOPHYSICA POLONICA. Vol. 6, no. 2, 1956

MALKOWSKI, Z. Comparison of the readings on the BMZ86 magnetometer with standard measurements of the observatories at Iude Skov and Swider. p173

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LC. Vol. 6, no. 4,
May 1959, unclass.

MALKOWSKI, Z.

Electronic and Oscillatory Energy of the Molecule of Tetrahydrofluorocyclone
in Benzene Solution

Byul. Polskoy Akad. nauk. otd. 3, No 3, 1953, pp 109-113

Photoluminescence and absorption of $C_{18}H_{32}$ solutions in benzene were studied. The results clearly indicated oscillatory structure. Fluorescence and absorption in long-wave band seems to be generated by carbon atoms of the central octadiene ring. In the short-wave band the absorption curve is similar to that of naphthalene. (RZhFiz, No 5, 1955)

SO: Sum. No. 639, 2 Sep 55

Markowski, Z.

Electronic and vibrational energy of tetracyanodien-
systems in benzene solution. Z. Markowski (Univ. War-
saw). *Pol. J. Chem.* 35: 1713-17 (1961). The absorp-
tion curve for tetracyanodien-1,3,5-triene in benzene has
max at 4600, 4800, and 4120 Å. The absorption curve
has max at 4075, 4120, and 4640 Å. In the longer λ regions
and closely resembles that for pure naphthalene, while in
the shorter λ regions. The axes of symmetry for both
species correspond to an energy of about 1 e.v. It seems
that the C atoms belonging to the group constituting the
central octadecyl ring are the only ones responsible for
the interference and absorption that occur in the long λ
region of the spectrum. The slight difference in the elec-
tronic transitions between the fundamental vibrational
levels of the ground state and the excited one bear evidence
to the fact that the shape of the ring in which the C-C
bonds play an essential part undergoes only slight change.

A. P. Mills

Malinowski, R.

POL.

199. On the monochromatical excitation of the
fluorescence in some hydrocarbonous solutions. *Z.*
Physik. Chem. *B*, *192*, 1, No. 1,
287-31 (1928).

Changes in spectral distribution of emission are
observed for changes in nature of the solvent and of
the wavelength of exciting radiation. In CCl₄ photo-
chemical action removes the shorter wavelength emis-
sion bands.

O. F. J. DARLICK

MALKOWSKI, S.

3739

522.122

Malkowski, S. On the Technique of Examination and Demonstration of Rock Structures.

„O technice badan i demonstracji struktur skalnych". Przegląd Geologiczny. No. 11, 1954, pp. 483—494, 4 figs.

The field of view of a wide-angle objective microscope, covers on the average, only 1/6 of the area (approximating to 1.5 cm²) of a thick section prepared from the rock to be examined; this makes it impossible to obtain a general view and to perceive certain details of its structure. In the Polish Museum Ziemi an instrument, called the Museum Ziemi Macrograph, has been constructed, with the following qualities: 1) it makes it possible to view the entire, properly magnified surface of the thin section at once; 2) it serves simultaneously as a photographic camera; 3) it admits of examination in polarized light. This macrograph is composed of the following parts: 1) an optical bench 1.0 m long; 2) support for the 3) projecting apparatus which has a moving lamp and a support for thin sections, together with frames holding polaroids; 4) a carriage for the ground-glass focusing screen and cassette containing the photographic plate or film; 5) sliding frames for stops and filters together with additional lenses.

MALKOWSKI, S.

"Obituary of J. Czarnocki." p. 285 (WIACOMOSCI MUZEUM ZIEMI, Vol. 6, no. 1,
1952, Warszawa, Poland.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress,
August, 1953, Uncl.

MALKOWSKI, S.

"Activity of the Geological Museum in the field of history of geological science." p. 266. "The Geological Museum during 1950." p. 269. (WIACOMOSCI MUZEUM ZIEMI, Vol. 6, no. 1, 1952, Warszawa, Poland.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress, August, 1953, Uncl.

MALKOWSKI, S.

"Josef Morozewicz; the tenth anniversary of his death, 1941-1951. p.1
(WIADOMOSCI MUZEUM ZIEMI, Vol. 6, no. 1, 1952, Warszawa, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress,
August, 1953, Uncl.

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<i>Be</i> <i>A-2</i> Character and distribution of clays in Poland. S. MALINOWSKI and M. KOWALSKI (Trans. Ceram. Soc., 1930, no. 143-145).—The majority of the clays are similar in composition to the kaolins of continental Europe. The results of chemical and mechanical analysis and the m. p. of the clays are tabulated. R. J. CARTLEDGE.																													
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Vol. 8, no. 4, Apr. 1956
PRZEGLAD KOLEJOWY DROGOWY
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Warszawa, Poland

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epid. i immun. no.8:117 Ag '55 (MLBA 8:11)
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